

## ABSTRACT OF THE DISCLOSURE

A correlation ratio calculation section (36) quantizes the vectors of each frame of a moving picture by using a space direction code book. A space direction code book reconstruction calculating section (39) rearranges obtained code string to generate new vectors. The correlation ratio calculation section (36) quantizes the new vectors by using a time-axis code book. In such a way, not only vector quantization in the space direction is performed for each frame image, but also vector quantization in the time-axis direction is performed between frames along the time axis.